

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-306)**

**PAGE 1 OF 2**

**DATE:** June 15, 2009

**TO:** The Record

**FROM:** U.S. Army Corps of Engineers  
26 Federal Plaza, ATTN: CENAN-OP-ST  
New York, NY 10278-0090

**RIVER/HARBOR NAME AND STATE:**

Newark Bay, Hackensack and Passaic Rivers – Port Newark and Port Newark  
Pierhead Channels, New Jersey

**MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
<b>Reach D:</b> Port Newark Branch Reach: From GREEN LIGHTED #17 and GREEN CAN #19A to a point approximately 700 feet landward of GREEN CAN #3.	Map 905 Pg 5 of 8: 5-29 Dec 2008, 12-14, 22&29 Jan and 4&9 Feb 2009. Map 908 Pg 2 of 4: 22, 29 & 30 Jan and 9 Mar 2009.	400-1,775	0.37	40	27.5	34.9	37.1	31.7
<b>Reach E:</b> Port Newark Inshore Reach: From a point approximately 700 feet landward of GREEN CAN #3 to the END of Port.	Map 908 Pg 2 3&4: 22, 29 & 30 Jan and 9 Mar 2009	400	1.06	40	33.7	32.3	31.1	31.3

**REMARKS:**

- All depths are in reference to Mean Low Water (MLW).
- Channel Length is in nautical miles.

**NEWARK BAY:**

○ **Reach D:**

Shoaling is present on either side of the channel. The Left Outside Quarter is shoaled along almost its entire length. The Left Inside Quarter is not impacted by shoaling except at the seaward channel widening.

A large shoal spans the Right Inside Quarter and Right Outside Quarter for 1530 feet, starting abeam Green Can #19A and proceeding landward along the channel right side. The shoal is 400 feet wide at it's widest, leaving an unobstructed channel width of 250 feet centered on the Left Inside Quarter.

○ **Reach E:**

There are three significant areas of shoaling in this reach.

1. The first shoal commences at the start of the reach and extends on either side for 2400 feet along the right outside quarter and for 2000 feet along the left outside quarter. The channel is at its narrowest unshoaled width of 100 feet at 600 feet into the reach. The controlling depth of 33.7 for the left outside quarter is found here abeam the channel narrowing as well as in shoal #3 at the channel end. The centerline of the channel is unobstructed to the channel bend and 1140 feet beyond.

2. The second shoal commences on both sides of the reach approximately 750 feet landward of the channel bend. The left side of the channel is more heavily shoaled. Channel wide shoaling occurs 1500 feet landward of the bend. Significant left outside quarter shoaling ceases 2400 feet from the channel bend.

3. A third shoal spans the last, most landward 1200 feet of the reach, from the left outside quarter to the right outside quarter. All the controlling depths occur within 30 feet of the landward end of the reach.

<b>REPORT OF CHANNEL CONDITIONS</b> <b>100 TO 400 FEET WIDE</b> <i>(ER 1130-2-306)</i>					<b>PAGE      2      OF      2</b> <b>DATE:</b> June 15, 2008		
<b>TO:</b> The Record				<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
<b>RIVER/HARBOR NAME AND STATE:</b> Newark Bay, Hackensack and Passaic Rivers – Port Newark and Port Newark Pierhead Channels, New Jersey					<b>MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD</b>		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
<b>Reach F:</b> Pt. Newark Pierhead Reach From RED NUN #4 to GREEN CAN #3.	Map 908 Pg 1 & 2 of 4; 22, 29 & 30 Jan and 9 Mar. 2009	300- 750	0.65	40	32.1	30.6	29.0

**REMARKS:**

- All depths in MLW.
- Channel length is in nautical miles.

**NEWARK BAY**

- Reach F:**  
 Channel wide shoaling occurs along the entire length of Reach F with the exception of a small region abeam of Red Nun #6 at the seaward channel widening. This unshoaled area is 260 feet wide and narrows landward. The shoaling of the channel increases to the north toward Reach D where the controlling depths are found approximately 300 feet south of Red Nun #10.

